

PATENT APPLICATION

**RESPONSE UNDER 37 CFR §1.116
EXPEDITED PROCEDURE
TECHNOLOGY CENTER ART UNIT 3748**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takamitsu ASANUMA et al.

Application No.: 09/904,875

Filed: July 16, 2001

For: **DEVICE FOR PURIFYING THE EXHAUST GAS OF AN INTERNAL
COMBUSTION ENGINE**

Group Art Unit: 3748

Examiner: T. Nguyen

Docket No.: 110108

AMENDMENT AFTER FINAL REJECTION UNDER 37 CFR §1.116

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

In reply to the September 24, 2002, Final Rejection, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claims 3 and 4 as follows:

3. (Amended) A device for purifying the exhaust gas of an internal combustion engine, comprising:

C1 a particulate filter arranged in the exhaust system, which carries a catalyst for absorbing and reducing NO_x, said catalyst absorbing NO_x when the air-fuel ratio in the surrounding atmosphere thereof is lean and releasing the absorbed NO_x to purify NO_x by reduction when said air-fuel ratio is stoichiometric or rich;

a catalytic apparatus for purifying NO_x arranged in the exhaust system upstream of said particulate filter, which carries said catalyst for absorbing and reducing NO_x; and

#14/C
12/19/02
Approved for Entry
12/27/02
TMN
12/30/02

PATENT APPLICATION

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Attorney Docket No.: 110108

AMENDMENT TRANSMITTAL

In re the Application of

Takamitsu ASANUMA et al.

Group Art Unit: 3748

Application No.: 09/904,875

Examiner: T. Nguyen

Filed: July 16, 2001

For: **DEVICE FOR PURIFYING THE EXHAUST GAS OF AN INTERNAL
COMBUSTION ENGINE**

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- ☐ Entitlement to small entity status is hereby asserted.
☐ Small entity status of this application has been established.

The filing fee has been calculated as shown below:

	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA
TOTAL CLAIMS	*8 MINUS	**20	=0
INDEP CLAIMS	*4 MINUS	***3	=1
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			

SMALL ENTITY	
RATE	ADD'L FEE
x 9	\$
x 42	\$
+140	\$
	\$

OTHER THAN A SMALL ENTITY	
RATE	ADD'L FEE
x 18	\$
x 84	\$ 84
+280	\$
	\$ 84

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* If the entry in Column 1 is less than the entry in Column 2, write "0" in Column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" in this space (Total or Independent) is the highest number found from the equivalent box in Column 1 of a prior Amendment or the number of claims originally filed.

- ☒ Check No. 137383 in the amount of \$84.00 is attached. The Director is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

Respectfully submitted,

James A. Oloff
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Paul Tsou
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JAO:PT/ale

Date: December 18, 2002